

REMARKS

Claims 1-10 are pending. By this Amendment, claims 1-10 are amended. The specification and Abstract are replaced with a Substitute Specification and Substitute Abstract.

The attached Appendix includes marked-up copies of the specification (37 C.F.R. §1.125(b)(2)) and each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Prompt and favorable consideration on the merits is respectfully requested.

Respectfully submitted,



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Attachments:

Substitute Abstract
Appendix
Substitute Specification
Marked-up copy of specification

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APPENDIX

Changes to Abstract:

The following is a marked-up version of the amended Abstract.

ABSTRACT

The invention provides~~In providing~~ an electro-optical apparatus with an enhanced~~improved~~ visibility of image in the peripheral region of the active display area, and a method of driving such an electro-optical apparatus. The apparatus includes a ~~the same,~~ a mask signal generating circuit that~~12~~ constantly outputs a mask signal to~~for~~ displaying white. A mask controlling circuit ~~16~~ usually outputs a control signal MS to~~for~~ turning on an analog switch ~~14~~ and turning off an analog switch ~~13~~. Thus, a display signal VS on a terminal ~~10~~ is supplied to a display signal line ~~5~~ via the analog switch ~~14~~, whereby an image is displayed on a display panel ~~1~~. Also, the mask controlling circuit ~~16~~, based on a data line driving signal and a scanning line driving signal supplied from a timing pulse generating circuit ~~7~~, detects the timing to~~for~~ drive~~ing~~ each of predetermined pixels in the peripheral region of the display panel ~~1~~, and outputs at the timing a control signal to~~MS~~ ~~for~~ turning off the analog switch ~~14~~ and turning on the analog switch ~~13~~. Thus, white is displayed in the peripheral region of the active display area.

Changes to Specification:

A Substitute Specification is attached in accordance with 37 C.F.R. 1.125(b)(2).

Changes to Claims:

The following are marked-up versions of the amended claims:

1. (Amended) An electro-optical apparatus, ~~comprising which comprises~~
a display panel including a peripheral region and~~comprising~~ a plurality of
pixels; ~~and~~
~~a driver that drives~~driving means for driving each of the pixels of said display
panel based on a display signal which is externally supplied; ~~;~~
~~asaid electro-optical apparatus comprising~~ timing detection device that
detects~~means for detecting the timing tofor~~ drives~~driving means~~ the pixels in the peripheral region of
said display panel; ~~;~~ and
~~a display controller that outputs~~means for outputting a signal tofor displaying a
particular color to said driver~~driving means~~ at the timing detected by said timing detection
device~~means~~.
2. (Amended) An electro-optical apparatus, ~~comprising which comprises~~
~~a display panel including a peripheral region and~~comprising a plurality of
pixels; ~~and~~
~~a driver that drives~~driving means for driving each of the pixels based on
display data which is externally supplied corresponding to each of the pixels of said display
panel; ~~and~~;
~~asaid electro-optical apparatus comprising~~ display controller that
output~~control means for outputting~~ to said driver~~driving means~~ display data tofor displaying
a particular color as display data tofor displaying each of the pixels in the peripheral region of
said display panel.
3. (Amended) An electro-optical apparatus, ~~comprising which comprises~~
~~a display panel including a peripheral region and~~comprising a plurality of
pixels; ~~;~~
~~a memory which stores display data corresponding to each of the pixels of said~~
display panel; ~~;~~

_____ a writing device that ~~writes~~ means for writing to said memory display data which is externally supplied;

_____ ~~and~~ driver that ~~drives~~ driving means for driving each of said pixels based on the display data in said memory; and

_____ ~~an electro-optical apparatus comprising~~ display control device that ~~writes~~ means for writing to said memory display data ~~to~~ for displaying a particular color as display data ~~to~~ for displaying each of the pixels in the peripheral region of said display panel.

4. (Amended) An electro-optical apparatus, comprising ~~which comprises~~ _____ a display panel including a peripheral region and ~~comprising~~ a plurality of pixels;

_____ a memory which stores display data corresponding to each of the pixels of said display panel;

_____ a writing device that ~~writes~~ means for writing to said memory display data which is externally supplied; and;

_____ ~~and~~ driver that ~~drives~~ driving means for driving each of said pixels based on the display data in said memory;

_____ ~~characterized in that~~ display data ~~to~~ for displaying a particular color being is stored in advance in a storage area of said memory corresponding to each of the pixels in the peripheral region of said display panel.

5. (Amended) The electro-optical apparatus according to Claim 1 ~~to Claim 4~~, ~~characterized in that~~ each of said pixels being formed ~~is composed~~ of liquid crystal.

6. (Amended) The electro-optical apparatus according to Claim 1 ~~to Claim 5~~, ~~wherein~~ said particular color being is white.

7. (Amended) A method of driving an electro-optical apparatus which ~~includes~~ comprises a display panel including ~~comprising~~ a plurality of pixels, and a driver that drives ~~driving means for driving~~ each of the pixels of said display panel based on a display signal which is externally supplied, the method comprising:

~~detecting~~characterized in that the timing ~~to~~for driveing the pixels in the peripheral region of said display panel ~~is detected~~; and in that

~~outputting~~ a signal ~~to~~for displaying a particular color ~~is output~~ to said ~~driver~~driving means at the detected timing.

8. (Amended) A method of driving an electro-optical apparatus which ~~includes~~comprises a display panel ~~including~~comprising a plurality of pixels, and a driver that ~~drives~~driving means for driving each of the pixels based on display data which is externally supplied corresponding to each of the pixels of said display panel, the method comprising:

~~outputting~~characterized in that display data ~~to~~for displaying a particular color ~~is output~~ to said ~~driver~~driving means as display data ~~to~~for displaying each of the pixels in the peripheral region of said display panel.

9. (Amended) A method of driving an electro-optical apparatus which ~~includes~~comprises a display panel ~~including~~comprising a plurality of pixels, a memory which stores display data corresponding to each of the pixels of said display panel, a writing device that ~~writes~~means for writing to said memory display data which is externally supplied, and a driver that ~~drives~~driving means for driving each of said pixels based on the display data in said memory, the method comprising:

~~writing~~characterized in that display data ~~to~~for displaying a particular color is ~~written~~ to said memory as display data ~~to~~for displaying each of the pixels in the peripheral region of said display panel.

10. (Amended) The method of driving an electro-optical apparatus according to Claim 7 to Claim 9, wherein said writing step including writing display data to display a particular color that is white.